

567—69.10(455B) Individual mechanical aerobic wastewater treatment systems. General requirements for individual mechanical aerobic wastewater treatment systems are as follows:

69.10(1) Use. Mechanical/aerobic systems may be used only when the administrative authority determines that the site is unacceptable for a full-sized soil absorption system. Because of the higher maintenance requirements of mechanical/aerobic systems, preference should be given to sand filters, where conditions allow.

69.10(2) Certification. All individual mechanical aerobic wastewater treatment plants shall be certified by an ANSI-accredited third-party certifier to meet National Sanitation Foundation Standard 40, Class I, including appendices (May 1996).

69.10(3) Installation and operation. All individual mechanical aerobic wastewater treatment plants shall be installed, operated and maintained in accordance with the manufacturer's instructions and the requirements of the administrative authority. The aerobic plants shall have a minimum treatment capacity of 150 gallons per bedroom per day or 500 gallons, whichever is greater.

69.10(4) Effluent treatment. The effluent from individual mechanical aerobic wastewater treatment plants shall receive additional treatment through the use of intermittent sand filters, mound systems or subsurface absorption systems of a magnitude of half that prescribed in rule 69.6(455B), 69.7(455B) or 69.9(455B) or by discharge to a drip irrigation system as sized in 69.8(455B).

69.10(5) Maintenance contract. A maintenance contract with a manufacturer-certified technician shall be maintained at all times. Maintenance agreements and responsibility waivers shall be recorded with the county recorder and in the abstract of title for the premises on which mechanical aerobic treatment systems are installed. Mechanical aerobic units shall be inspected for proper operation at least twice a year on six month intervals.

69.10(6) Effluent sampling. Any open discharge from systems involving mechanical aeration shall have the effluent sampled twice a year at six-month intervals. (Beginning January 1, 2005, such sampling shall be done by a qualified sampler.) Tests shall be run twice a year on all samples for CBOD5 and *E. coli*, and once a year in the spring for TSS, as prescribed in 69.9(1).